

## WHAT IS CLAIMED IS

1. A communication device for demodulating a received signal by a spread code, comprising:

an oscillator for outputting a reference  
5 signal having an oscillation frequency changing by exactly a predetermined frequency in accordance with communication conditions;

an acquisition unit for performing a search of at least said received signal based on the reference  
10 signal of said oscillator;

a tracking unit for performing tracking processing of said received signal based on the reference signal of said oscillator; and

a control unit for determining a stable time  
15 area based on change information of the oscillation frequency of said oscillator and making said acquisition unit perform the search processing in the determined time area.

2. A communication device as set forth in claim  
20 1, wherein said control unit receives frequency change information and makes said acquisition unit perform the search processing at the frequency before the frequency change after the frequency change of said oscillator.

3. A communication device as set forth in claim  
25 1, wherein when the frequency changes after the end of

the search of said acquisition unit, said acquisition unit gives the information of the change to said tracking unit and makes said tracking unit perform the tracking processing at a plurality of frequencies obtained by  
5 adding the change of said frequency.

4. A communication device according to a second aspect of the present invention comprising:

a first communication unit including an oscillator for outputting a reference signal having an  
10 oscillation frequency changing by exactly a predetermined frequency in accordance with communication conditions and outputting a frequency change signal when the oscillation frequency of the oscillator is to be changed and

a second communication unit for demodulating  
15 a received signal by a spread code, wherein

said second communication unit includes an acquisition unit for performing a search of at least said received signal based on the reference signal of said oscillator,

20 a tracking unit for performing tracking processing of said received signal based on the reference signal of the said oscillator, and

a control unit for determining a stable time area based on change information of the oscillation  
25 frequency of said oscillator and making said acquisition

unit perform the search processing in the determined time area.

5. A communication device as set forth in claim 4, wherein said control unit receives frequency change information and makes said acquisition unit perform the search processing at the frequency before the frequency change after the frequency change of said oscillator.

6. A communication device as set forth in claim 4, wherein when the frequency changes after the end of the search of said acquisition unit, said acquisition unit gives the information of the change to said tracking unit and makes said tracking unit perform the synchronization holding processing at a plurality of frequencies obtained by adding the change of said frequency.